

ABSTRACT OF THE DISCLOSURE

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An apparatus which produces a ringing signal for a telephone system, effectively suppressing impulse noises.

5 A ringing voltage generator produces a ringing voltage. A ringing signal sending unit sends a ringing signal to the called telephone terminal over the subscriber line by outputting the ringing voltage intermittently. This ringing signal consists of ringing periods and silent
10 periods which will appear alternately with a prescribed duty cycle. One of those silent periods is used by a data transfer unit uses to transport data to the called terminal. A feed impedance setting unit provides a feed voltage with a higher source impedance. A feed impedance
15 selection unit selects a low-impedance feed voltage in the one of the silent periods during which a data transfer is performed, and selects a high-impedance feed voltage in the other silent periods during which no data transfer is scheduled.

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